

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

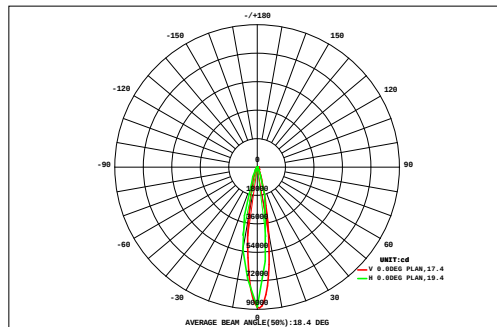
Maximum Intensity (Luminaire orientation as tested.)		5827.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	39.8V x 37.5H
	At 50% of Imax	19.4V x 17.4H
	At 90% of Imax	5.6V x 6.7H
Beam Flux	Total	999.3 lumens per klm.
	To 10% of Imax	680.7 lumens per klm.
	To 50% of Imax	297.0 lumens per klm.
	To 90% of Imax	30.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:29.4DEG
Operators:QC1
Test Date:2026-09-11

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:80%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.4V I:0.5645A P:121.2W PF:0.9702 Freq:50.00Hz Lamp Flux:15275.5x1 lm		
NAME: 8.01.029.0003 20°LWW-OP-W75-L12-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202609032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:126.01lm/W	
MODEL	LWW-OP-W75-L12-S	Imax(cd)	89015
NOMINAL POWER(W)	7	AVAILABILITY(%)	69.3
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	10583
NOMINAL FLUX(lm)	15275.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	15275
TEST VOLTAGE(V)	120.2	θ @50%(H,V)	17,19DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	4.01	4.84	5.89	7.15	8.57	10.1	11.4	12.5	13.1	13.0	12.2	11.0	9.49	7.99	6.59	5.40	4.42	3.65	151	0.00
27	4.68	6.02	7.85	10.2	12.9	15.9	19.0	21.7	23.3	23.4	21.8	19.1	16.1	13.1	10.3	7.99	6.14	4.75	244	19.6
24	5.69	7.52	10.0	13.1	16.8	20.8	24.7	28.0	29.6	29.1	26.5	22.8	18.8	15.0	11.6	8.80	6.63	5.03	301	133
21	6.76	9.10	12.3	16.2	20.8	25.7	30.6	34.3	35.9	34.7	31.2	26.4	21.4	16.8	12.8	9.52	7.04	5.25	357	216
18	7.14	10.0	14.2	20.0	28.8	43.1	63.8	86.3	102	103	89.5	68.5	46.9	30.8	21.1	14.9	10.5	7.35	768	668
15	8.33	11.9	17.1	24.6	36.9	57.2	86.5	117	137	136	115	85.8	56.7	36.2	24.3	16.9	11.7	8.04	988	894
12	10.6	15.4	22.4	32.5	50.0	79.1	118	156	175	165	133	93.9	59.0	36.8	24.6	16.8	11.4	7.73	1207	1126
9	9.87	14.4	21.0	30.7	48.2	79.0	123	169	198	197	165	119	75.7	45.6	28.7	19.2	13.0	8.77	1366	1283
-9	8.84	12.9	18.9	28.0	45.0	76.9	124	180	221	229	199	146	93.5	54.9	33.0	21.8	14.6	9.90	1517	1438
-12	11.6	17.0	25.0	38.4	66.1	112	173	231	259	244	193	130	77.6	44.7	27.3	18.1	12.1	8.21	1689	1615
-15	11.1	16.3	23.8	36.5	62.1	105	161	214	241	228	181	122	73.7	43.0	26.5	17.7	11.9	8.10	1582	1501
-18	7.29	10.3	14.6	20.2	28.2	42.7	64.6	93.0	117	125	114	88.3	60.7	39.1	25.6	17.5	12.1	8.39	888	788
-21	7.44	10.4	14.4	19.5	25.4	34.3	46.8	61.1	71.9	74.1	66.6	52.8	38.7	27.6	19.7	14.0	9.85	6.98	601	489
-24	7.79	10.7	14.6	19.5	24.0	27.9	31.4	31.3	27.8	22.1	17.2	14.9	14.8	15.0	13.2	10.0	7.30	5.39	315	141
-27	5.27	6.93	9.20	12.2	16.0	20.8	27.1	34.2	39.6	41.2	38.0	31.5	24.3	18.2	13.8	10.3	7.67	5.71	362	224
	4.36	5.47	6.92	8.71	10.8	12.7	15.0	17.9	20.8	22.8	22.8	20.5	17.0	13.5	10.6	8.21	6.36	4.92	229	45.3
	4.31	5.20	6.25	7.37	8.41	8.62	7.56	5.54	4.31	3.88	4.12	4.89	5.92	5.95	5.33	4.57	3.91	3.34	99.5	0.00
	3.63	4.29	5.06	5.88	6.69	7.02	6.74	7.12	7.51	7.57	7.28	6.68	6.09	5.81	5.18	4.48	3.84	3.29	104	0.00
	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(DEG)	6	9	12	15	18	21	24	27			
Φ t	129	179	249	351	516	779	1134	1499	1723	1699	1437	1066	716	470	320	226	160	115	12768	---
Φ a	0.00	0.00	52.7	187	391	681	1052	1428	1667	1640	1383	977	600	349	167	8.22	0.00	0.00	---	10583

one-half-peak spread: U:7.3,D:12.3 , L:8.6,R:8.9

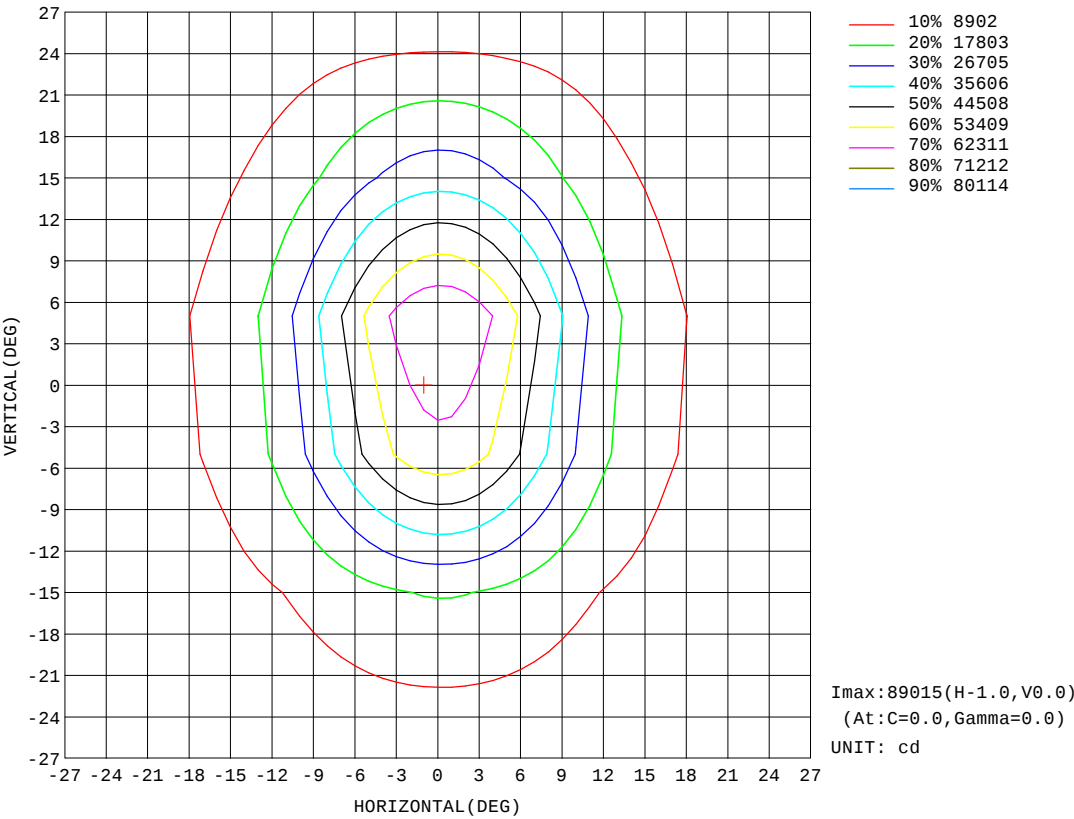
NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
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 Temperature:29.4DEG
 Operators:QC1
 Test Date:2026-09-11

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 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:80%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:202609032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

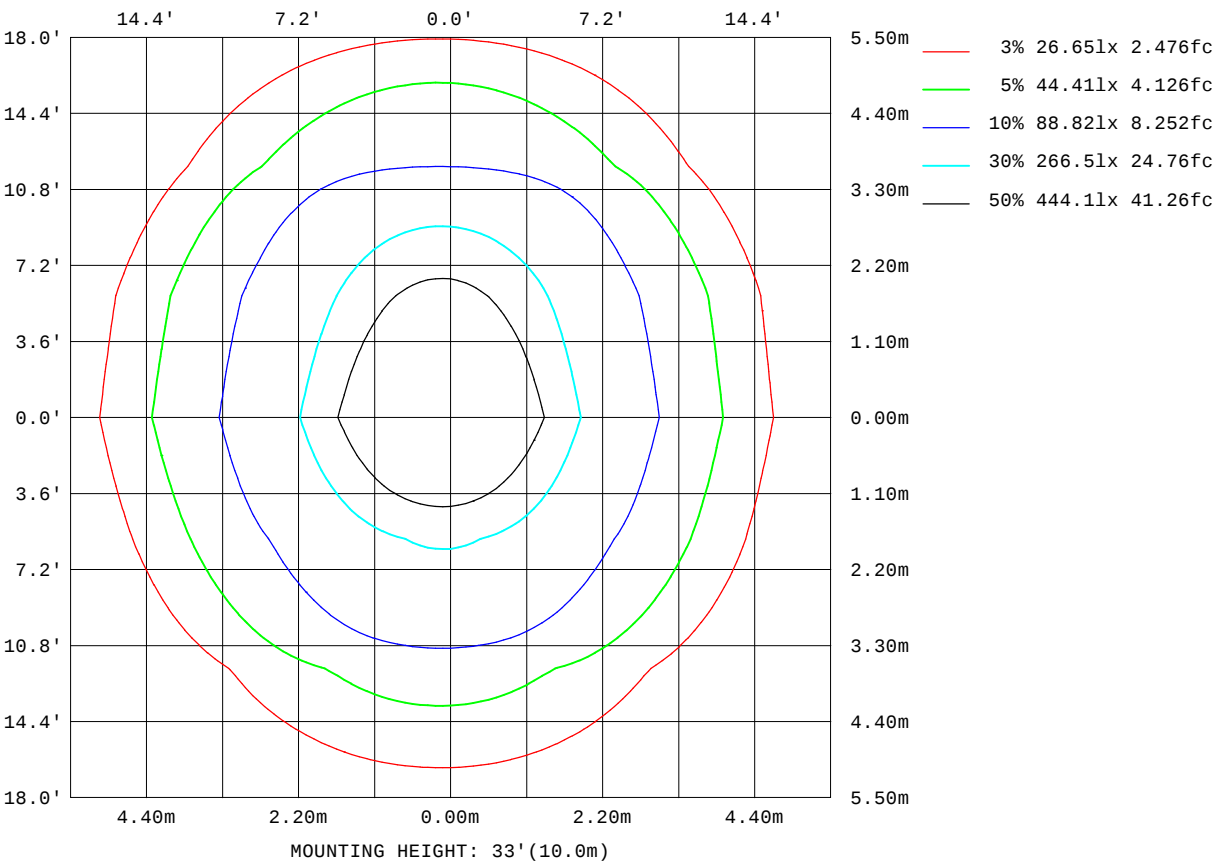


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ISOLUX DIAGRAM

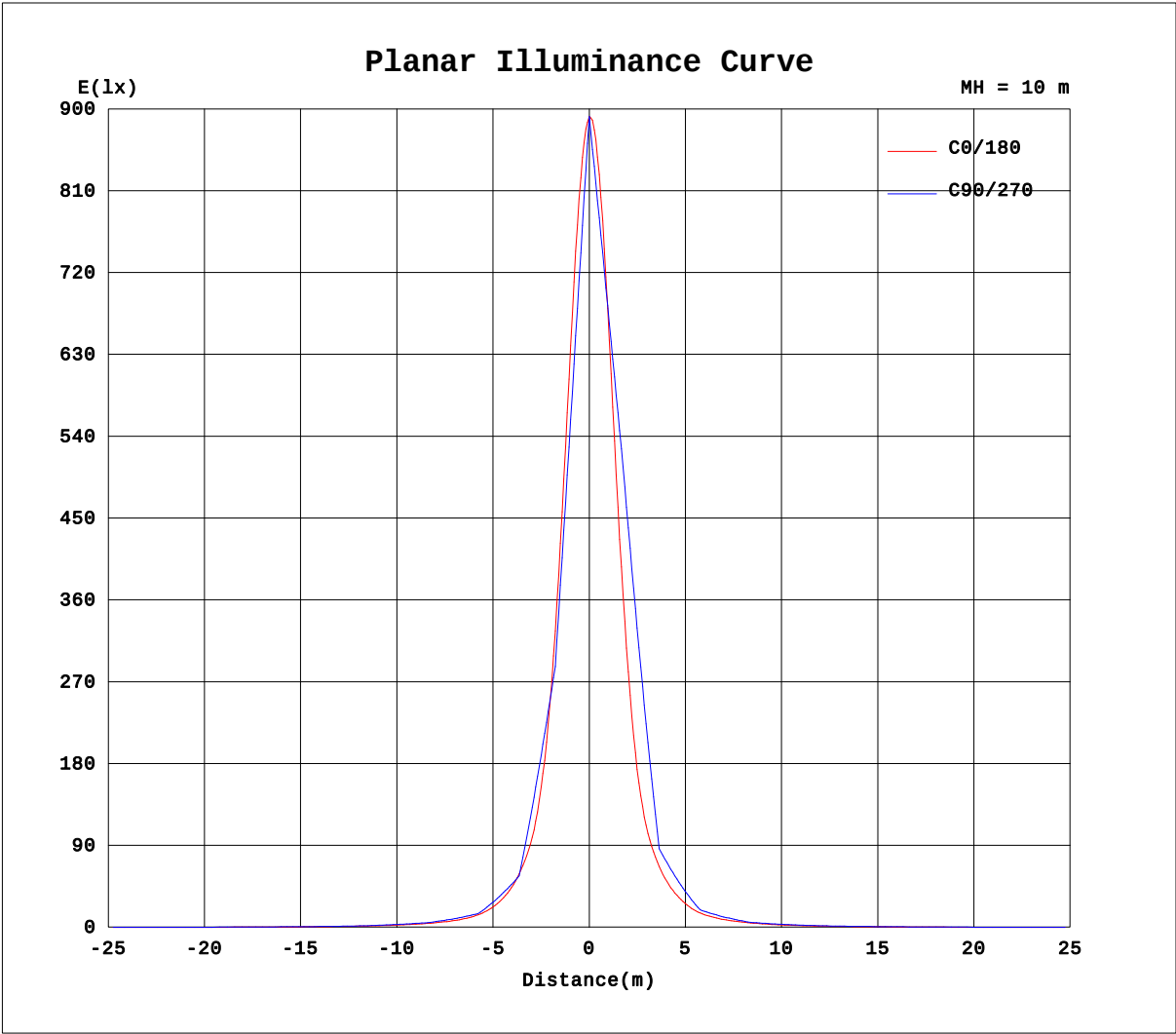
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Remarks:

Planar Illuminance Curve

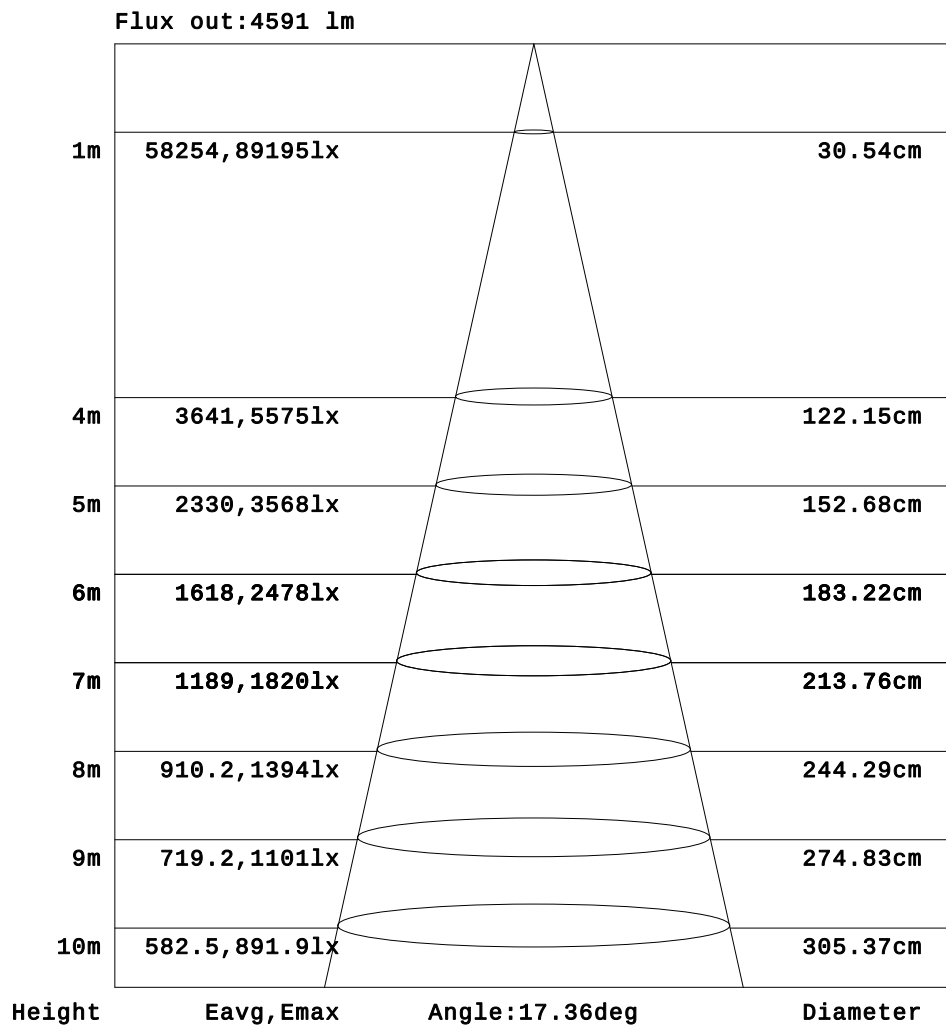


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Remarks:

AAI Figure

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SPEC.:	DIM.:	SERIAL No.:202609032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:	DIM.:	SERIAL No.:202609032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.79	1.16	1.62	2.03	2.41	2.55
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.32	2.76	3.83	4.87	6.26	7.14	7.76	8.97	10.1	10.2	10.8	11.5
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.88	3.18	6.02	8.02	10.3	12.9	14.1	15.1	17.3	18.6	18.6	19.6	20.4
-65	0.00	0.00	0.00	0.00	0.14	1.54	3.57	7.01	11.2	14.0	16.7	20.0	22.3	23.7	26.1	28.5	28.9	29.9	31.0
-60	0.00	0.00	0.00	0.00	0.72	3.75	7.43	12.5	17.6	21.0	24.3	28.3	31.1	33.0	35.9	38.8	39.4	40.7	41.4
-55	0.00	0.00	0.00	0.04	1.80	5.76	10.1	15.7	21.8	26.3	30.5	35.3	39.4	42.2	46.0	49.8	51.8	53.4	54.4
-50	0.00	0.00	0.00	0.45	4.31	9.55	14.6	21.6	27.7	33.3	38.4	44.2	48.9	52.6	57.8	61.9	64.8	66.7	67.2
-45	0.00	0.00	0.00	0.85	5.16	11.2	17.5	24.0	30.9	37.1	43.7	50.5	57.5	66.5	74.8	82.3	87.8	91.9	93.2
-40	0.00	0.00	0.00	2.53	8.31	15.4	23.0	29.2	36.3	43.7	51.4	59.7	69.8	83.5	95.2	105	113	118	119
-35	0.00	0.00	0.00	2.63	8.85	16.9	24.4	31.4	38.7	46.7	55.1	68.8	83.1	101	119	138	156	171	177
-30	0.00	0.00	0.16	4.84	12.7	21.2	28.8	36.3	44.1	53.4	64.6	83.8	103	126	150	178	207	228	235
-25	0.00	0.00	0.17	5.51	12.8	21.1	29.0	37.1	44.5	57.9	71.9	94.0	120	155	207	278	360	430	459
-20	0.00	0.00	1.23	8.86	16.4	24.0	32.5	40.2	50.0	67.7	87.9	114	148	203	289	411	544	653	682
-15	0.00	0.00	0.78	7.87	15.7	23.8	32.4	41.6	51.3	69.1	91.1	121	167	250	396	631	1001	1530	1840
-10	0.00	0.00	2.34	9.38	18.7	27.0	36.0	46.1	59.1	78.2	105	144	212	345	582	972	1655	2601	2988
-5	0.00	0.00	1.43	9.05	17.4	25.9	35.1	44.9	57.6	76.4	103	144	214	365	643	1182	2513	4663	5949
0	0.00	0.00	2.95	11.5	19.8	28.4	37.8	48.2	62.4	83.9	115	166	260	471	862	1754	4132	7535	8854
5	0.00	0.00	1.51	9.46	17.9	26.2	35.3	45.1	58.0	77.3	105	148	223	388	697	1306	2898	5532	7100
10	0.00	0.00	2.59	10.9	19.2	27.5	36.5	46.5	59.9	80.1	109	153	233	400	707	1281	2601	4519	5271
15	0.00	0.00	1.22	8.57	16.6	24.5	33.2	42.7	54.3	71.0	94.6	129	183	290	484	822	1495	2555	3172
20	0.00	0.00	2.07	9.50	17.1	24.9	33.7	43.1	54.3	70.2	92.1	121	164	241	371	558	781	982	1042
25	0.00	0.00	0.75	6.90	14.1	21.7	29.9	38.7	48.0	60.2	77.2	99.7	130	176	251	360	491	616	672
30	0.00	0.00	1.09	7.15	14.1	21.7	29.8	37.8	46.0	56.3	70.4	88.4	110	136	170	212	256	288	297
35	0.00	0.00	0.25	4.76	11.2	18.4	25.6	32.8	40.2	48.5	58.9	72.0	88.0	107	129	155	182	203	212
40	0.00	0.00	0.34	4.81	11.1	17.9	24.4	30.6	37.4	44.5	52.3	61.6	73.0	85.3	97.9	109	119	125	126
45	0.00	0.00	0.03	2.47	7.84	14.2	19.9	25.5	31.7	38.0	44.1	51.1	59.4	68.2	77.3	85.9	92.9	97.9	99.3
50	0.00	0.00	0.00	2.00	7.06	12.8	17.7	22.7	28.4	33.9	38.5	43.7	49.3	54.7	60.2	65.5	69.6	72.2	72.6
55	0.00	0.00	0.00	0.62	3.87	8.69	13.0	17.6	22.6	27.2	31.1	35.7	40.4	44.4	48.6	52.7	55.6	57.7	58.5
60	0.00	0.00	0.00	0.09	2.52	6.42	10.1	14.4	18.9	22.2	25.5	29.6	33.3	35.6	38.7	41.4	42.6	43.9	44.3
65	0.00	0.00	0.00	0.00	0.92	3.01	5.75	9.08	12.9	15.6	18.2	21.6	24.4	26.2	28.7	31.1	32.0	32.9	33.7
70	0.00	0.00	0.00	0.00	0.00	0.66	2.61	5.27	8.20	10.0	12.2	14.9	16.5	17.7	19.9	21.4	21.6	22.4	23.0
75	0.00	0.00	0.00	0.00	0.00	0.19	1.08	2.33	3.85	4.86	6.07	7.79	9.11	9.99	11.4	12.6	12.9	13.4	13.9
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.61	1.32	2.09	2.79	3.48	4.02	4.31	4.59	4.69
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Table--2

UNIT: ×10cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	2.37	2.02	1.57	1.07	0.58	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	11.0	10.2	9.89	8.93	7.44	6.50	5.75	4.56	3.49	2.55	1.30	0.44	0.00	0.00	0.00	0.00	0.00	0.00
-70	19.2	18.2	18.0	16.2	13.8	12.6	11.1	8.64	6.63	4.62	2.16	0.64	0.00	0.00	0.00	0.00	0.00	0.00
-65	29.8	28.4	27.7	25.6	22.8	21.0	18.9	15.8	13.3	10.9	7.20	3.88	1.75	0.46	0.00	0.00	0.00	0.00
-60	39.8	38.3	36.9	33.8	30.9	28.8	25.5	21.8	19.1	15.8	10.7	6.14	2.88	0.59	0.00	0.00	0.00	0.00
-55	53.1	50.9	48.4	44.7	40.8	37.6	33.7	29.3	25.6	21.4	16.1	10.7	6.30	2.60	0.38	0.00	0.00	0.00
-50	65.6	62.6	58.6	54.0	49.5	45.1	40.0	35.3	30.5	25.0	19.3	13.3	8.13	3.37	0.37	0.00	0.00	0.00
-45	91.5	86.6	80.1	72.5	64.6	56.8	49.1	42.5	36.5	30.3	24.2	18.3	12.1	6.00	1.57	0.00	0.00	0.00
-40	116	108	98.7	87.8	76.5	65.3	55.4	47.4	40.2	33.1	26.7	21.0	13.5	6.48	1.59	0.00	0.00	0.00
-35	172	157	137	118	99.5	82.9	68.3	56.2	46.6	38.4	31.5	24.8	17.6	9.94	3.51	0.11	0.00	0.00
-30	223	198	168	140	116	94.3	76.0	60.8	49.5	40.8	33.5	26.0	18.6	10.5	3.36	0.00	0.00	0.00
-25	432	362	280	207	154	118	92.4	72.3	56.9	45.8	37.3	29.2	21.5	13.5	5.98	0.56	0.00	0.00
-20	619	494	360	250	176	130	100	76.8	59.3	47.2	38.0	29.4	21.3	13.2	5.84	0.28	0.00	0.00
-15	1590	1051	651	405	250	164	118	89.3	67.8	52.4	41.6	32.5	24.0	16.0	8.14	1.34	0.00	0.00
-10	2357	1413	826	485	281	175	123	92.3	69.1	52.7	41.5	32.0	23.6	15.4	7.35	1.02	0.00	0.00
-5	4854	2650	1235	649	359	210	138	101	75.2	56.6	44.1	34.6	25.9	17.6	9.19	1.82	0.00	0.00
0	6486	3142	1309	667	359	206	134	98.0	72.6	54.6	42.7	33.5	24.8	16.3	7.76	1.06	0.00	0.00
5	5750	3083	1366	700	381	217	140	102	75.9	56.9	44.3	34.7	26.0	17.7	9.33	1.83	0.00	0.00
10	3971	2111	1033	570	317	188	127	94.6	70.4	53.3	41.8	32.3	23.9	15.8	7.61	1.01	0.00	0.00
15	2640	1589	845	490	288	178	124	92.5	69.7	53.2	41.9	32.7	24.3	16.3	8.48	1.54	0.00	0.00
20	908	687	474	309	202	140	105	80.3	61.4	48.1	38.2	29.5	21.6	13.7	6.25	0.64	0.00	0.00
25	615	489	358	249	174	126	97.4	75.6	59.0	46.9	37.8	29.4	21.6	14.0	6.85	1.03	0.00	0.00
30	277	238	193	153	123	99.6	79.8	63.4	51.0	41.7	34.1	26.1	18.6	11.3	4.66	0.24	0.00	0.00
35	203	181	154	127	105	86.8	71.1	58.1	47.6	39.2	32.2	25.2	18.2	11.1	4.73	0.44	0.00	0.00
40	122	113	103	91.3	79.1	67.2	56.8	48.2	40.6	33.6	27.5	21.5	14.8	8.18	2.50	0.00	0.00	0.00
45	97.1	91.7	84.7	76.3	67.4	58.7	50.5	43.3	36.9	30.7	24.7	19.3	13.7	7.58	2.41	0.06	0.00	0.00
50	70.8	67.4	62.9	57.6	52.2	46.7	41.1	35.9	30.7	25.2	19.7	15.0	10.1	4.65	0.79	0.00	0.00	0.00
55	57.4	55.1	52.3	48.3	44.1	40.2	35.4	30.5	26.2	21.8	16.7	12.3	8.07	3.62	0.65	0.00	0.00	0.00
60	43.1	41.7	40.2	37.3	34.4	31.9	27.7	23.4	20.0	16.3	11.8	7.90	4.22	1.04	0.00	0.00	0.00	0.00
65	32.8	31.5	30.7	28.6	26.0	24.1	21.3	17.7	14.8	11.9	8.38	5.21	2.62	0.76	0.00	0.00	0.00	0.00
70	21.9	20.9	20.5	18.8	16.6	15.4	13.5	10.7	8.44	6.16	3.56	1.44	0.07	0.00	0.00	0.00	0.00	0.00
75	13.3	12.5	12.1	11.1	9.59	8.53	7.35	5.68	4.43	3.34	2.03	0.91	0.13	0.00	0.00	0.00	0.00	0.00
80	4.32	3.88	3.43	2.77	2.04	1.29	0.58	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:29.4DEG
 Operators:QC1
 Test Date:2026-09-11

V(β) Range:-80 - 80DEG
 V(β) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:80%
 Test Distance:8.300m [K=1.0000]
 Remarks: